



BRUHAT BANGALORE MAHANAGARA PALIKE

PRE-MEASUREMENT

RA 1ST AND FINAL BILL

Improvements and Asphaltting to Roads at Doddabommasandra, Krishna Temple Surrounding areas in Ward No. 09 (Vidyaranyapura).

Name of work:

Estimated Cost :

Rs. 30.00 Lakhs

Head of Account :

P-3726 Zonal Public Works - POW Works

Name of Agency:

Sri Nataraj. T, No/ 02, 1st Main, Amarajyothi Layout, R T Nagar, Bangalore - 32.

Work order No:

BBMP/EE/BTP/WO/118/2020-21 Dated: 25.09.2020.

	Measurements Recorded on :	09-10-2020								
Sl. No	Description		No.	L	B1	B2	Av.B	D	Qty	Unit
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.									Cum
	For Drain Desilting									
	Chamundeshwari Temple Main Road		2	30.00			0.45	0.45	12.15	
			2	10.50			0.45	0.45	4.25	
			2	30.00			0.45	0.45	12.15	
			2	30.00			0.45	0.45	12.15	
			2	30.00			0.45	0.45	12.15	
			2	31.50			0.45	0.45	12.76	
	2nd B Cross		2	30.00			0.45	0.45	12.15	
			2	30.00			0.45	0.45	12.15	
			2	15.20			0.45	0.45	6.16	
	6th Main Road		2	30.00			0.45	0.45	12.15	
			2	30.00			0.45	0.45	12.15	
			2	30.00			0.45	0.45	12.15	
			2	30.00			0.45	0.45	12.15	
			2	20.50			0.45	0.45	8.30	
	3rd C Cross		2	30.00			0.45	0.45	12.15	
			2	30.00			0.45	0.45	12.15	
			2	3.00			0.45	0.45	1.22	
	Berm Cutting									
	Chamundeshwari Temple Main Road		2	30.00			1.20	0.20	14.40	
			2	10.50			1.00	0.25	5.25	
			2	30.00			1.00	0.30	18.00	
			2	30.00			0.95	0.25	14.25	
			2	30.00			1.20	0.20	14.40	
			2	31.50			0.90	0.25	14.18	
	2nd B Cross		2	30.00			0.80	0.20	9.60	
			2	30.00			1.00	0.25	15.00	
			2	15.20			0.95	0.20	5.78	
	6th Main Road		2	30.00			1.00	0.25	15.00	
			2	30.00			0.85	0.20	10.20	
			2	30.00			0.95	0.15	8.55	
			2	30.00			0.85	0.30	15.30	
			2	20.50			1.00	0.15	6.15	
	3rd C Cross		2	30.00			0.90	0.25	13.50	
			2	30.00			0.90	0.20	10.80	
			2	3.00			1.20	0.20	1.44	

Assesment Executive Sub D
 Vidyaranyapura Sub D
 BBMP, Bangalore

Sl. No	Description	No.	L	B1	B2	Av.B	D	Qty	Unit
Total Qty =								370.27	
Qty Limited to =								369.50	


Assistant Engineer
Ward No. 09


Assistant Executive Engineer
Vidyayanyapura Sub Division
BBMP, Bangalore - 97

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyaapur Sub-Division
BBMP, Bangalore - 97

No.	Description	No.	L	B1	B2	Av.B	D	Qty	Unit
	Measurements Recorded on :	21-11-2020							
9	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.								Cum
	Chamundeshwari Temple Main Road								
	BWSSB Road Cutting								
	Ch: 0.00 to 30.00 Mtrs	1	30.00			0.90	0.30	8.10	
	Ch: 30.00 to 40.50 Mtrs	1	10.50			0.90	0.30	2.84	
	Ch: 0.00 to 30.00 Mtrs	1	30.00			0.90	0.30	8.10	
	Ch: 30.00 to 60.00 Mtrs	1	30.00			0.90	0.30	8.10	
	Ch: 60.00 to 90.00 Mtrs	1	30.00			0.90	0.30	8.10	
	Ch: 90.00 to 121.50 Mtrs	1	31.50			0.90	0.30	8.51	
	Ch: 0.00 to 20.00 Mtrs	1	20.00			0.90	0.30	5.40	
	Road Surface								
	Chamundeshwari Temple Main Road								
	Ch: 0.00 to 30.00 Mtrs	1	30.00	4.15	3.50	3.83	0.15	17.21	
	Ch: 30.00 to 40.50 Mtrs	1	10.50	3.50	2.60	3.05	0.15	4.80	
	Ch: 0.00 to 30.00 Mtrs	1	30.00	5.75	5.80	5.78	0.15	25.99	
	Ch: 30.00 to 60.00 Mtrs	1	30.00	5.80	6.10	5.95	0.15	26.78	
	Ch: 60.00 to 90.00 Mtrs	1	30.00	6.10	6.00	6.05	0.15	27.23	
	Ch: 90.00 to 121.50 Mtrs	1	31.50	6.00	7.05	6.53	0.15	30.83	
	Ch: 0.00 to 20.00 Mtrs	1	20.00	5.50	5.00	5.25	0.15	15.75	
				Total Qty =				197.72	
				Qty Limited to =				195.56	
				Qty upto 125% =				170.29	
				Qty Above 125% =				25.27	

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Sl. No	Description	No.	L	B1	B2	Av.B	D	Qty	Unit
	Measurements Recorded on :	04-12-2020							
10	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications.								Sqm
	Chamundeshwari Temple Main Road								
	Ch: 0.00 to 30.00 Mtrs	1	30.00	4.15	3.50	3.83		114.75	
	Ch: 30.00 to 40.50 Mtrs	1	10.50	3.50	2.60	3.05		32.03	
	Ch: 0.00 to 30.00 Mtrs	1	30.00	5.75	5.80	5.78		173.25	
	Ch: 30.00 to 60.00 Mtrs	1	30.00	5.80	6.10	5.95		178.50	
	Ch: 60.00 to 90.00 Mtrs	1	30.00	6.10	6.00	6.05		181.50	
	Ch: 90.00 to 121.50 Mtrs	1	31.50	6.00	7.05	6.53		205.54	
	Ch: 0.00 to 20.00 Mtrs	1	20.00	5.50	5.00	5.25		105.00	
								Total Qty =	990.56
								Qty Limited to =	988.75
								Qty upto 125% =	681.16
								Qty Above 125% =	307.59

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S. No	Description	No.	L	B1	B2	Av.B	D	Qty	Unit
	Measurements Recorded on :	06-12-2020							
11	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. MORTH /Chapter 5 - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 3.3 % VG-30 Bitumen								Cum
	Chamundeshwari Temple Main Road								
	Ch: 0.00 to 30.00 Mtrs	1	30.00	4.15	3.50	3.83	0.050	5.74	
	Ch: 30.00 to 40.50 Mtrs	1	10.50	3.50	2.60	3.05	0.050	1.60	
	Ch: 0.00 to 30.00 Mtrs	1	30.00	5.75	5.80	5.78	0.050	8.66	
	Ch: 30.00 to 60.00 Mtrs	1	30.00	5.80	6.10	5.95	0.050	8.93	
	Ch: 60.00 to 90.00 Mtrs	1	30.00	6.10	6.00	6.05	0.050	9.08	
	Ch: 90.00 to 121.50 Mtrs	1	31.50	6.00	7.05	6.53	0.050	10.28	
	Ch: 0.00 to 20.00 Mtrs	1	20.00	5.50	5.00	5.25	0.050	5.25	
								Total Qty =	49.53
								Qty Limited to =	49.44
								Qty upto 125% =	34.06
								Qty Above 125% =	15.38

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Assistant Engineer
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Vidyanagara Sub-Division
BBMP, Bangalore-97

I. No	Description	No.	L	B1	B2	Av.B	D	Qty	Unit
	Measurements Recorded on :	05-12-2020							
E1	Construction of granular sub-base Grading-V as sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite / trap / basalt material, mixing in a mechanical mix plant at OMC Carriage of mixed material to work site spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98% proctor density, complete as per specifications.								Cum
	Chamundeshwari Temple Main Road								
	Ch: 0.00 to 30.00 Mtrs	1	30.00	4.15	3.50	3.83	0.15	17.21	
	Ch: 30.00 to 40.50 Mtrs	1	10.50	3.50	2.60	3.05	0.15	4.80	
	Ch: 0.00 to 30.00 Mtrs	1	30.00	5.75	5.80	5.78	0.15	25.99	
	Ch: 30.00 to 60.00 Mtrs	1	30.00	5.80	6.10	5.95	0.15	26.78	
	Ch: 60.00 to 90.00 Mtrs	1	30.00	6.10	6.00	6.05	0.15	27.23	
	Ch: 90.00 to 121.50 Mtrs	1	31.50	6.00	7.05	6.53	0.15	30.83	
	Ch: 0.00 to 20.00 Mtrs	1	20.00	5.50	5.00	5.25	0.15	15.75	
				Total Qty =				148.58	
				Qty Limited to =				148.31	

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